NC/QC/YPD/2020-21/SB/W5-1-C11

Date: 01-12-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.17%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.03mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.64 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

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NC/QC/YPD/2020-21/SB/W5-1-PCC11 **Date: 01-12-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.80**	0 -20	30- 70
10mm	**32.55**	0 -5	10- 35
4.75mm	**4.10**	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS.

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.20**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.05**	60-95	75-100	85-100	
01.18	**75.35**	30-70	55-90	75-100	
600.mic	**46.80**	15-34	35-59	60-79	
300.mic	**24.10**	5-20	8-30	12-40	
150.mic	**6.95**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

Page No. 1/1,

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NC/QC/YPD/2020-21/SB/W5-1-C12

Date: 02-12-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.56 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

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NC/QC/YPD/2020-21/SB/W5-1-PCC12

Date: 02-12-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.70**	0 -20	30- 70
10mm	**29.15**	0 -5	10- 35
4.75mm	**3.85**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS.

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.05**	60-95	75-100	85-100	
01.18	**71.15**	30-70	55-90	75-100	
600.mic	**46.50**	15-34	35-59	60-79	
300.mic	**22.05**	5-20	8-30	12-40	
150.mic	**8.60**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-C13 **Date: 02-12-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.46 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

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Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-PCC13 **Date: 02-12-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.85**	0 -20	30- 70
10mm	**32.75**	0 -5	10- 35
4.75mm	**4.05**	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**94.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.65**	60-95	75-100	85-100	
01.18	**71.05**	30-70	55-90	75-100	
600.mic	**46.35**	15-34	35-59	60-79	
300.mic	**25.10**	5-20	8-30	12-40	
150.mic	**7.90**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Dwarakanagara.

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NC/QC/YPD/2020-21/SB/W5-1-CE1 Date: 26-11-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**270min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.04%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.17 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.44 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

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NC/QC/YPD/2020-21/SB/W5-1-FA1 Date: 26-11-2020

1. TESTING OF FINE AGGREGATES :

Sub Testing of Fine Aggregates.

{Project* Package No 08, 1. Improvements to Roads and Drains at Chikkabidarakallu Grama Panchayathi Ravi Kirloskare and Budda Jyothi Layout 2. Improvements to Roads and Drains at Chikkabidarakallu Grama Panchayathi Limits 3. Improvements to Roads and Drains at vaddarhalli Village 4. Improvements to Roads and Drains from Mavallipura Village Limits 5. Improvements to Roads and Drains and Construction of Concrete roads at Doddabalyakere Village, Chowdappa Layout and Surrounding areas 6. Improvements to Roads and Drains and Construction of Concrete roads at Doddabalyakere Muddinapalya.}

Ref. Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. K. Gopireddy, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.10**	60-95	75-100	85-100	
01.18	**74.25**	30-70	55-90	75-100	
600. mic	**46.85**	15.34	35-59	60-79	
300.mic	**24.35**	5-20	8-30	12-40	
150.mic	**6.85**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.66%**	-----
2	Silt Content	----	**0.59%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CA1

Date: 26-11-2020

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**95.20**	85-100	90 - 100
10 mm	**42.75**	0 - 20	25 - 55
4.75 mm	**3.95**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1	Flakiness Index	**26.76%**	Not to exceed 25 %
2	Crushing value	**28.92 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-S1 Date: 26-11-2020

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12 mm **TMT Steel.**
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.624**	0.567	**0.893**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**560.0**	500.0	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**19.50**	12.00	**20.70**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**638.0**	545.0	**625.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB1 Date: 04-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-11-20	04-12-20	08	22500	370	16.44	**16.67**
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT

Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB2 Date: 04-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-11-20	04-12-20	08	22500	380	16.89	**16.81**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB3

Date: 04-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-11-20	04-12-20	08	22500	360	16.00	**16.07**
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB4

Date: 05-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-11-20	05-12-20	08	22500	365	16.22	**16.15**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB6 Date: 05-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-11-20	05-12-20	08	22500	380	16.89	**16.89**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	390	17.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB7

Date: 07-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-11-20	07-12-20	08	22500	385	17.11	**16.59**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	365	16.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB8 **Date: 07-12-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-11-20	07-12-20	08	22500	370	16.44	**16.22**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB9

Date: 07-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	30-11-20	07-12-20	08	22500	365	16.22	**16.30**
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB10 Date: 08-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	01-12-20	08-12-20	08	22500	370	16.44	**16.67**
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

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Bangalore

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NC/QC/YPD/2020-21/SB/W5-1-CB11 Date: 08-12-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains in Vinayakanagara, Kattigenahalli and Dwarakanagara Surrounding area in Ward No: 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SLP Infra Engineers Pvt Ltd (H S Yashwanth Gowda), Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	01-12-20	08-12-20	08	22500	380	16.89	**16.81**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Vinayakanagara.

NEWZEN CONSULTANT * Bangalore *

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